



BOSS

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BOSS COMPACT CATALOG

VOL.2

**DD-2 Digital Delay**

The DD-2 is the first compact digital delay offering a wide delay time range of 12.5 to 800ms, two outputs for stereo simulation, and a hold function.

• Power: 9V Battery, AC Adapter • Current draw: DC 9V, 50mA (line D) • Time control at center • Controls: 6 Level, 2 Back, 2 Time • Switch: Mode select (Stomp/hold) • Delay time: 12.5ms • Frequency response: 40Hz - 15kHz (±1dB) • Input: 10kΩ • Output: 10kΩ • Dimensions: 2.89in x 2.29in x 4.80in • Weight: 0.98lbs.

**HM-2 Heavy Metal**

This advanced distortion unit produces virtually any kind of distortion you can imagine and features four separate controls, including two active tone controls for bass and treble.

• Power: 9V Battery, AC Adapter • Current draw: DC 9V, 150mA • Controls: Level, Color, Mid, Low, Distortion • Input impedance: 1MΩ • Output load impedance: Over 10kΩ • Dimensions: 2.89in x 2.29in x 4.80in • Weight: 0.88lbs.

**CE-3 Chorus**

A chorus effector with two stereo modes. In Mode I, outputs A and B produce two different chorus sounds. In Mode II, output A produces effect sound and output B produces direct sound.

• Power: 9V Battery, AC Adapter • Current draw: DC 9V, 50mA • Controls: Level, Depth, Stereo • Input: 10kΩ • Output: 10kΩ • Dimensions: 2.89in x 2.29in x 4.80in • Weight: 0.88lbs.

**CE-2 Chorus**

The CE-2 is a compact version of the famous CE-1 Chorus Ensemble (described later in this catalog). Like the CE-1, the CE-2 Chorus features the well-known BOSS chorus effect.

• Power: 9V Battery, AC Adapter • Current draw: DC 9V, 50mA • Controls: Rate, Depth • Input: 10kΩ • Output: 10kΩ • Dimensions: 2.89in x 2.29in x 4.80in • Weight: 0.88lbs.

**VB-2 Vibrato**

The VB-2 is a unique and new application of the well-known vibrato effect in a self-contained package. The VB-2 allows the musician to add vibrato selectively, gradually, and automatically.

• Power: 9V Battery, AC Adapter • Current draw: DC 9V, 50mA • Controls: Shape, Depth, Rate, Time • Switch: On/Off • Input impedance: 1MΩ • Output load impedance: Over 10kΩ • Dimensions: 2.89in x 2.29in x 4.80in • Weight: 0.88lbs.

**GE-7 Graphic Equalizer**

The GE-7 includes seven octave bands with a 15dB maximum boost or cut per band and an overall effect level control.

• Power: 9V Battery, AC Adapter • Current draw: DC 9V, 100mA • Frequency response: 100Hz - 10kHz • Controls: 7 Bands, 15dB • Input impedance: 10kΩ • Output load impedance: Over 10kΩ • Dimensions: 2.89in x 2.29in x 4.80in • Weight: 0.90lbs.

**OD-1 Over Drive**

The BOSS Over Drive has been designed to exactly replicate the sound of an overdrive tube amplifier when used in any amplification set-up.

• Power: 9V Battery, AC Adapter • Current draw: DC 9V, 50mA • Controls: Level, Overdrive • Input: 10kΩ • Output: 10kΩ • Dimensions: 2.89in x 2.29in x 4.80in • Weight: 1.1lbs.

**SD-1 SUPER Over Drive**

The SD-1 will respond to the guitarist's most delicate playing techniques. Like the OD-1, the SD-1 features controls for Level and Overdrive, with the addition of a Tone control.

• Power: 9V Battery, AC Adapter • Current draw: DC 9V, 50mA • Controls: Level, Overdrive, Tone • Input: 10kΩ • Output: 10kΩ • Dimensions: 2.89in x 2.29in x 4.80in • Weight: 1.1lbs.

**HC-2 Hand Clapper**

The HC-2 produces any kind of hand clapping—dry or thick at a large or small hall. The sensitivity of its strike pad can also be adjusted.

• Power: 9V Battery, AC Adapter • Current draw: DC 9V, 110mA • Controls: Sens, Dry, Wet • Input: 10kΩ • Output: 10kΩ • Dimensions: 2.89in x 2.29in x 4.80in • Weight: 1.05lbs.

**PC-2 Percussion Synthesizer**

This compact unit features six separate controls to create a variety of synthesized percussion sounds, including synthesizer drum, triangle, and castanets. External signals from guitar or microphone can also control the PC-2.

• Power: 9V Battery, AC Adapter • Current draw: DC 9V, 50mA • Controls: Sens, Pitch, Decay, Stereo, Reverb, Rate • Input impedance: 10kΩ • Output load impedance: Over 10kΩ • Dimensions: 2.89in x 2.29in x 4.80in • Weight: 1.05lbs.

**BX-600 6-CHANNEL MIXER**

The BX-600 accepts all level signals because it has separate gain controls for each channel. Effect send and return jacks, as well as pan pots, are also provided to use the BX-600 for kinds of mixing - from PA to multi-track recording.

• Input sensitivity: -10dB • Input impedance: 15kΩ • Output level: +10dB (0dB, 0dB) • Maximum output level: 0dB (0dB, 0dB) • Output load impedance: Over 10kΩ • Dimensions: 11.0in x 3.5in x 6.1in • Weight: 2.84lbs.

**BX-400 4-CHANNEL MIXER**

This 4-channel mixer has a level select switch in each channel to accommodate the signal level of the device to be connected. Peak indicators make it easy to set the level of the BX-400 with low distortion and noise.

• Input sensitivity: -10dB • Input impedance: 15kΩ • Output level: +10dB (0dB, 0dB) • Maximum output level: 0dB (0dB, 0dB) • Output load impedance: Over 10kΩ • Dimensions: 11.0in x 3.5in x 6.1in • Weight: 2.84lbs.

**TU-12 CHROMATIC TUNER**

With this fully automatic chromatic tuner, a variety of musical instruments such as guitar and wind instruments can be tuned. Two highly visible LEDs called "tuning guide" light when the proper pitch is achieved. Tuning to the concert pitch is also possible.

• Power: 9V Battery, AC Adapter • Tuning range: C₁ - B₇ • Pitch response: 100Hz • Standard: 440Hz • Input impedance: 10kΩ • Output: 10kΩ • Dimensions: 2.89in x 2.29in x 4.80in • Weight: 1.05lbs.

**TU-12H CHROMATIC TUNER**

Even wind instruments of a high frequency range can be tuned with this upgraded version of the TU-12. One mode (L) allows tuning between C₁ and B₇ while the second mode (H) allows tuning between C₂ and B₈.

• Power: 9V Battery, AC Adapter • Tuning range: C₁ - B₇ • Pitch response: 100Hz • Standard: 440Hz • Input impedance: 10kΩ • Output: 10kΩ • Dimensions: 2.89in x 2.29in x 4.80in • Weight: 1.05lbs.

**J-44 Multiple Jack**

The J-44 has two channels, each of which contains four jack connections, 12 phone, 1 RCA, and 1 mini (phone), to facilitate almost any kind of connection.

• Jack: Phone jack x 4, RCA jack x 2, Mini phone jack x 2 • Dimensions: 3.94in x 2.89in x 1.50in • Weight: 0.48lbs.

**J-5 Multiple Jack**

This small accessory J-5 allows you to connect one input to up to four outputs at one time.

• Dimensions: 3.94in x 1.50in x 2.89in • Weight: 0.56lbs.

**PV-1 Rocker Volume**

The PV-1 Rocker Volume pedal is a professional, totally reliable volume pedal with a Maximum Level control that is variable between Unity gain and a +20dB boost.

• Power: 9V Battery, AC Adapter • Input: 10kΩ • Output: 10kΩ • Dimensions: 3.94in x 2.89in x 12.80in • Weight: 2.84lbs. • Accessory: Vinyl Bag

**PD-1 Rocker Distortion**

The Rocker Distortion is a unique application of the Distortion effect into a Rocker control pedal. The distortion effect can be varied from non-existent to extremely hard by the sweep of the Rocker pedal.

• Power: DC 9V, 50mA • Input: 10kΩ • Output: 10kΩ • Dimensions: 3.94in x 2.89in x 12.80in • Weight: 2.84lbs. • Accessory: Vinyl Bag

**PU-1 Rocker Pitch**

The Rocker Pitch produces the classic "bush" effect with clear and intense and also offers some new flexibility as well.

• Power: DC 9V, 50mA • Input: 10kΩ • Output: 10kΩ • Dimensions: 3.94in x 2.89in x 12.80in • Weight: 2.84lbs. • Accessory: Vinyl Bag

**FV-200 Keyboard Volume**

The BOSS FV-200 Volume Pedal has been specifically designed for application with electronic keyboards.

• Dimensions: 4.39in x 2.89in x 12.80in • Weight: 3.24lbs.

**BF-2 Flanger**

The BF-2 includes Manual, Depth, Rate and Resonance control functions. The Manual control determines the delay time of the sound, and is variable from 1ms (infinite) to 13ms.

- Power: 9V Battery, AC Adapter • Current draw: DC 9V, 15mA • Controls: Manual, Depth, Rate, Resonance • Resonance: 100Hz (100A) • Input impedance: 470kΩ • Output load impedance: 10kΩ • Input: 10kΩ • Dimensions: 2.89in x 2.29in x 4.82in • Weight: 0.88lbs

**PH-1R Phaser**

The PH-1R is an expanded version of the popular PH-1, combining all of the features of the clean, low noise PH-1 with a Resonance control for added depth of phase.

- Power: 9V Battery, AC Adapter • Current draw: DC 9V, 15mA • Controls: Manual, Depth, Resonance • Resonance: 100Hz (100A) • Input impedance: 470kΩ • Output load impedance: 10kΩ • Input: 10kΩ • Dimensions: 2.89in x 2.29in x 4.82in • Weight: 0.88lbs

**KM-60 Mixer**

The KM-60 is a stereo mixer designed to provide all of the functions and flexibility needed for quality reproduction in a wide variety of mixing situations.

- Power consumption: 75W • S/N ratio: Over 30dB • Input: 4x • Input level: -10V to +20V • Input impedance: 10kΩ • Output: 2x • Output level: 0V to 10V • Output impedance: 10kΩ • Dimensions: 19.0in x 5.7in x 3.0in • Weight: 10.4lbs

**MA-15A Micro Monitor**

The BOSS MA-15A Micro Monitor is a powered monitor with extensive controls and connection versatility. It may be used for stage monitoring, or as a compact amp for back-stage, practice or studio use.

- Power: AC Powered • Output: 15W/8Ω • Power consumption: 20W • Speaker: 5 inch full range • Dimensions: 12.0in x 6.7in x 6.5in • Weight: 7.5lbs • Accessory: Metal adapter for microphone stand

**FV-100 Guitar Volume**

The BOSS FV-100 Guitar Volume Pedal is a passive type volume pedal designed specifically for use with guitar.

- Dimensions: 4.3in x 2.8in x 12.8in • Weight: 2.2lbs

**DM-300 Delay Pedal**

For the ultimate in maintenance-free analog echo delay, BOSS has created the 4096-word DM-300 Delay Machine. It can also create chorus effects at the flip of a switch.

- Power consumption: 8W • Delay time: Chorus 22ms to 48ms, Delay 22ms to 800ms • Compensation: 16.2in x 4.8in x 9.0in • Weight: 8.2lbs

**CS-2 Compression Sustain**

The CS-2 is designed to provide clear, undistorted punch and sustain to any electric musical instrument. The CS-2 uses a VCA (voltage controlled amplifier) to create a faster response.

- Power: 9V Battery, AC Adapter • Current draw: DC 9V, 4mA • Controls: Level, Sustain, Attack • Maximum input: 100mV (100A) • Maximum output: 100mV • Compression range: 20dB • Input impedance: 470kΩ • Output load impedance: 10kΩ • Input: 10kΩ • Dimensions: 2.89in x 2.29in x 4.82in • Weight: 0.88lbs

**DS-1 Distortion**

The DS-1 is an effects device designed to produce variable distortion and sustain effects. The unit's wide range of distortion effects allows the effect to be varied from very soft to very hard.

- Power: 9V Battery, AC Adapter • Current draw: DC 9V, 4mA • Controls: Tone, Distortion, Level • Input impedance: 470kΩ • Output load impedance: 10kΩ • Input: 10kΩ • Dimensions: 2.89in x 2.29in x 4.82in • Weight: 0.88lbs

**KM-04 Stereo Mixer**

The KM-04 is a new micro mixer which small size makes it ideal for many specialized mixing applications.

- Power consumption: 1mA • Input sensitivity: 50mV (80dB) • Output level: 2.1V (80dB) • Input impedance: Over 20kΩ • Output load impedance: Over 10kΩ • Dimensions: 3.7in x 3.7in x 3.4in • Weight: 0.7lbs

**MA-5 Micro Monitor**

The MA-5 features a self contained 5 watt amplifier which reproduces with surprising clarity and volume, yet can be overdriven to produce warm distortion effects rich in harmonics.

- Power: AC Powered • Output: 5W/8Ω • Power consumption: 5W • Speaker: 5 inch full range • Dimensions: 3.7in x 6.5in x 6.5in • Weight: 4.5lbs

**MS-100A Monitor Speaker**

The compact MS-100A Monitor Speaker combines a high 100 watt handling capacity with exceptional quality and flexibility to make it the best choice for performing musicians.

- Frequency response: 100Hz to 17kHz • Power handling capacity: 100W • Impedance: 4Ω/16Ω • Speaker: 3" • Switch full range • Jacks: Phone Input and Output • Dimensions: 12.0in x 5.7in x 5.8in • Weight: 7.3lbs • Accessory: Metal adapter for microphone stand

**DM-100 Delay/Treble**

The BOSS DM-100 is an analog echo and chorus device which incorporates recent advancements made in BBD (Bucket Brigade) technology, with the unique use of the Roland FCF (Frequency Controlled Filter) to create thick and versatile echo delay effects.

- Power consumption: 3.0W • Delay time: 22ms to 400ms • Dimensions: 3.89in x 3.7in x 6.5in • Weight: 5.7lbs

**DM-2 Delay**

The DM-2 is an analog echo delay that combines a 20 to 300ms delay time and self-contained noise reduction circuitry with excellent sound reproduction and flexibility.

- Power: 9V Battery, AC Adapter • Current draw: DC 9V, 15mA • Controls: Repeat rate, Intensity, Echo • Delay time: 20ms to 300ms • Resonance: 100Hz (100A) • Input impedance: 470kΩ • Output load impedance: 10kΩ • Input: 10kΩ • Dimensions: 2.89in x 2.29in x 4.82in • Weight: 0.88lbs

**NF-1 Noise Gate**

The NF-1 is a product designed to remove unwanted hum or noise from a performance by gating off the signal after a note has been played.

- Power: 9V Battery, AC Adapter • Current draw: DC 9V, 15mA • Controls: Sens, Decay • Maximum output voltage: 100mV • Gain: Unity • Input impedance: 22kΩ • Output load impedance: Over 10kΩ • Dimensions: 2.89in x 2.29in x 4.82in • Weight: 0.88lbs

**KM-2 Mixing Amplifier**

The KM-2 accepts two input signals and feeds into one output, for use as a mixer. Each of the two inputs has variable gain ranging from unity, to a total gain of 20dB.

- Power: 9V Battery • Current draw: DC 9V, 0.2 mA • Gain: 20dB • S/N ratio: 80dB • Compensation: 2.0in x 2.0in x 2.7in • Weight: 0.6lbs

**MS-100A Monitor Speaker**

The compact MS-100A Monitor Speaker combines a high 100 watt handling capacity with exceptional quality and flexibility to make it the best choice for performing musicians.

- Frequency response: 100Hz to 17kHz • Power handling capacity: 100W • Impedance: 4Ω/16Ω • Speaker: 3" • Switch full range • Jacks: Phone Input and Output • Dimensions: 12.0in x 5.7in x 5.8in • Weight: 7.3lbs • Accessory: Metal adapter for microphone stand

**DM-100 Delay/Treble**

The BOSS DM-100 is an analog echo and chorus device which incorporates recent advancements made in BBD (Bucket Brigade) technology, with the unique use of the Roland FCF (Frequency Controlled Filter) to create thick and versatile echo delay effects.

- Power consumption: 3.0W • Delay time: 22ms to 400ms • Dimensions: 3.89in x 3.7in x 6.5in • Weight: 5.7lbs

**RX-100 Reverb Box**

The RX-100 Reverb box is an efficient reverb unit which can be added to virtually any amplification or PA system to provide added dimensional enhancement.

- Delay time: 20ms to 400ms • Power consumption: 3.0W • Dimensions: 13.4in x 5.7in x 11.5in • Weight: 5.7lbs

**OC-2 Outliner**

The unique OC-2 will be widely used by guitarists to add a bass line to a lead line, but the high quality tracking also makes it suitable by the keyboardist to add an additional voice to a synthesizer or piano.

- Power: 9V Battery, AC Adapter • Current draw: DC 9V, 4mA • Controls: Oct 1, Oct 2, Direct line • Maximum input level: -10dB • Maximum output level: 0dB • Input impedance: 1MΩ • Output load impedance: Over 10kΩ • Dimensions: 2.89in x 2.29in x 4.82in • Weight: 0.88lbs

**TW-1 Touch Wah**

The Touch Wah is an envelope controlled filter designed to produce a "wah" effect that is completely touch responsive.

- Power: 9V Battery, AC Adapter • Current draw: DC 9V, 4mA • Controls: Sens, Peak • Sensitivity: 100mV • S/N ratio: Over 80dB • Input impedance: 22kΩ • Output load impedance: Over 10kΩ • Dimensions: 2.89in x 2.29in x 4.82in • Weight: 0.88lbs

**GE-10 Graphic Equalizer**

The GE-10 provides 10 bands of equalization, each set one octave apart from 20Hz to 10kHz with a control range of ±12dB.

- Power consumption: 75W • Frequency response: 20Hz to 10kHz • S/N ratio: Over 80dB • Input: 10kΩ • Output: 10kΩ • Frequency response: 20Hz to 10kHz • S/N ratio: Over 80dB • Dimensions: 19.0in x 5.7in x 3.0in • Weight: 4.2lbs

**FA-1 FET Amplifier**

The BOSS FA-1 is a pocket-sized pre-amplifier that has been designed using FET circuitry.

- Power: 9V Battery • Controls: Treble, Bass, Volume • Switch: Flap on/off • Low cut time: 100ms • S/N ratio: Over 80dB • Input impedance: 1MΩ • Output impedance: 10kΩ • Dimensions: 4.3in x 1.7in x 1.7in • Weight: 0.5lbs

**RX-100 Reverb Box**

The RX-100 Reverb box is an efficient reverb unit which can be added to virtually any amplification or PA system to provide added dimensional enhancement.

- Delay time: 20ms to 400ms • Power consumption: 3.0W • Dimensions: 13.4in x 5.7in x 11.5in • Weight: 5.7lbs

**RX-100 Reverb Box**

The RX-100 Reverb box is an efficient reverb unit which can be added to virtually any amplification or PA system to provide added dimensional enhancement.

- Delay time: 20ms to 400ms • Power consumption: 3.0W • Dimensions: 13.4in x 5.7in x 11.5in • Weight: 5.7lbs

SCC-700

SOUND CONTROL CENTER



SCC-700C Central Unit



This is central programmer unit, and can be used by itself without any other components to program up to seven different effects in up to thirty-two patch combination. The programmer of the SCC-700C actually decides whether or not the effect is placed in the signal path.

- Input and Output jacks: Input, Buffer Out, Main Out, Sub Out, Remote to SCC-700F, Send (A to G), Return (A to G), 0V DC Out
- Program memory: 32 programs (8 programs x 4 banks)
- Battery back-up: UM-3 x 3 (4.5V)
- Input impedance: 1M Ω
- Output load impedance: (Buffer out) More than 1k Ω , (Main out) More than 1k Ω (Sub out) More than 1k Ω
- Output level control: +6dB to -18dB (in 8 steps)
- Dimensions: 13.5(W) x 4.0(H) x 9.5(D)in.
- Weight: 9.2lbs.
- Accessories: DC-DC Cords x 8, AC Power Cord, Effector identification stickers x 3

Representing the most remarkable single achievement since the creation of the effects pedal, BOSS is proud to introduce the SCC-700 Sound Control Center. The SCC-700 is a computer-controlled effects programmer, designed to program up to seven different effects in as many as thirty-two patch combinations.

The SCC-700 can control any kind of effects, from any manufacturer: rack-mount effects, pedal effects, rocker effects, can all be programmed to turn on and off in any combination you can think of. Each of the thirty-two possible patches can be programmed for the on/off status, the order of the effect chain, the output level of each patch, and a sub-output for routing to a separate amp or PA. All of this at the same time!

There are three parts to the SCC-700 Sound Control Center, which can be purchased separately, or together, depending on your own needs. The first part is the SCC-700C Controller itself, which contains all that is needed to program the effects. The SCC-700F is a remote Foot Controller which connects to the main unit by a multi-core connecting cord. The third part is the SCC-700B which is a case designed to house up to seven compact effects, supply them with power, and connect them to the SCC-700C.

SCC-700F Foot Controller



C-24F Connection Cord



The SCC-700F is a remote footswitch-type controller for the SCC-700 system. With the SCC-700F it is possible to perform all the selection and writing functions of the SCC-700 simply by pushing footswitches.

- Footswitches: Program (1 to 8), Effect-off, Manual, Bank
- Display: Program (1 to 8), Effect Unit (A to G), Effect-off, Manual
- Connection: 24 Pin (to SCC-700C)
- Dimensions: 23.0(W) x 2.75 (H) x 7.0(D)in.
- Weight: 8.1lbs.
- Accessories: C-24F Connection Cord x 1

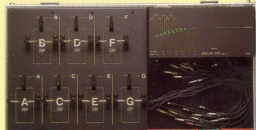
The C-24F is a 30 foot multi-core connecting cord supplied with the SCC-700F Footswitch, and is used to connect it directly to the SCC-700 Sound Control Center. The cord is extremely durable, and should last the lifetime of the unit, but should it become damaged due to accident, it can be ordered separately as a replacement.

Programming effects can be accomplished simply by touching the switches on the SCC-700C in the order you want the effects to play. Each switch (A-G) corresponds to an effect. For example, if you wanted one patch that went from the CS-1 to the CE-2 to the DM-2, you would touch "A", then "E", then "F". It couldn't be simpler. This operation can be executed live on stage from the remote footswitch controller SCC-700F. The other effect parameters (for setting output level and sub-outputs), are also selected in the same way.

There are four modes of operation for the SCC-700: Write — where patch programs are written into computer memory, Play — where patch programs are played by choosing the bank number (A, B, C, D) and the patch number (1-8), Monitor — where you can reference a patch combination to see what it is before you switch it in, and Manual — where you can disengage the programmer and use the seven switches (on the SCC-700C or SCC-700F) to choose effects manually, one at a time.

The individual components of the SCC-700 are described in more detail below.

SCC-700B Carrying Case



The SCC-700B is a case specifically designed to house the SCC-700 and up to seven effects units. The case is intended for BOSS effects, but will also hold units from other manufacturers.

- Dimensions: 32.0(W) x 8.0(H) x 16.75(D)in.
- Weight: 3.3lbs.
- Accessories: LI Cords x 16, DC-DC Cords x 8

* Specifications and appearance subject to change without notice.

BCB-6 CARRYING BOX



DE-200 DIGITAL DELAY

The DE-200 digital delay incorporates a 12-bit logarithm compression A/D/A converter to provide a wide dynamic range and crystal clear delay sound. It features a delay time of 1.25 to 1,280 ms and two operating modes — Mode 1 with frequency-response priority and Mode 2 with delay-time priority. The newly developed Rhythm Sync function makes it possible to use the trigger signal of a rhythm machine, such as the BOSS's DR-110, to synchronize the delay time with the rhythm machine or to automatically control the delay time. When this function and the hold function are used together, the held sound can be precisely synchronized with a rhythm machine. Three outputs can be used independently to produce two entirely different stereo effects. The DE-200 weighs only 3.5 kg and can be easily mounted on a standard 19-inch EIA-1U rack.



SPECIFICATIONS

- Delay time: < Mode 1 > 1.25 ms ~ 640 ms, < Mode 2 > 2.5 ms ~ 1,280 ms
- Frequency response: < Direct > 10Hz ~ 100kHz ± 1 dB, < Mode 1 > 10Hz ~ 10kHz ± 1 dB, < Mode 2 > 10Hz ~ 4.5kHz ± 1 dB
- Dynamic range: < Direct > 110dB, < Delay > 90dB
- THD: < Direct > 0.008%, < Delay > 0.25%
- Input level/impedance: -20 dBm/1M Ω
- Maximum input level: +12dBm
- Output level/load impedance: -12dBm/Over 10k Ω
- Dimensions: 19.0(W) x 1.73(H) x 9.45(D)in.
- Weight: 7.7lbs. • Accessory: Power cord

REAR PANEL



As the BOSS line of products has expanded, adding ever more popular effects, BOSS has received many requests for a carrying case that holds multiple BOSS effects, as well as other similarly-sized effects. The BOSS design engineers have responded in another brilliantly creative application of form and function in the design of the BOSS Carrying Box System. The system consists of the BCB-6 Carrying Box and the PSM-5 Power Supply/Master Switch. Both of these are sold separately, and can be used separately, but when used together, they solve many of the musician's problems in dealing with repeated set-up of effects.

- Effect accommodation: 8 units
- Dimensions: 24.9(W) x 3.9(H) x 11.0(D)in.
- Weight: 3.5lbs.
- Accessories: LL Cord (10cm x 5, 68cm x 1)

PSA Adapter



The PSA Adapter is supplied as a standard part of the PSM-5 Power Supply & Master Switch, and is designed to supply power to up to five BOSS effects.

PSM-5 Power Supply & Master Switch



The PSM-5 is a regulated power supply, capable of powering up to five 9V BOSS effects, (or other effects of a similar design). The PSM-5 operates on AC power, and comes with a PSA Series Adapter, which plugs into any conventional AC outlet, to give continuous operation without worry of battery run-down.

- Power: AC Adapter
- Input impedance: Guitar: 1M Ω , Return: 1M Ω
- Output load impedance: Amp: Over 10k Ω , Send: Over 10k Ω
- Gain: Unity
- Dimensions: 2.8(W) x 2.2(H) x 4.9(D)in.
- Weight: 0.75lbs.

DR-110 Dr. Rhythm GRAPHIC

The DR-110 is an advanced preset programmable rhythm machine. Two complete songs, each up to 128 measures in length, can be programmed by combining the DR-110's 32 rhythm patterns (16 preset rhythm patterns and 16 programmable rhythm patterns). The Liquid Crystal Display allows a rhythm pattern to be visually confirmed at a glance. Mode, rhythm number, and a variety of other data are also displayed for rapid and precise writing and recall. The DR-110 features two rhythm pattern writing modes — a real-time writing mode and a step-writing mode. The DR-110 can even be used as a percussion instrument, because all sound sources can be activated by simply tapping the tap key. The sound sources include Cymbal and, for the first time in this price class, Hand Clap. The DR-110's extraordinary sound quality is equalled only by much more expensive rhythm machines. And the DR-110 can be easily connected to an HA-5 headphone amplifier through the Play Bus output jack.



SPECIFICATIONS

- Power: UM-3 x 4, AC Adapter (PSA series)
- Number of memorizable rhythms: 32 kinds (16 preset rhythms, 16 programmable rhythms)
- Number of steps: 1 ~ 6 steps/1 ~ 12 steps
- Songs: 128 measures x 2 songs (continuous; max 128 measures)
- Sound sources: Bass Drum, Snare Drum, Cymbal, Closed Hi-hat, Open Hi-hat, Hand Clap, Accent
- Tempo control range: $\frac{1}{4}$ = 45 ~ 300
- Dimensions: 7.5(W) x 1.2(H) x 4.3(D)in.
- Weight: 1 lbs. with batteries
- Accessories: UM-3 dry battery (BR-3) x 4, Original carrying case

DB-33 Dr. Beat



The DB-33 features all four basic rhythm units ($\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$, $\frac{1}{8}$) with an individual level control for each to accentuate the rhythm.

- Power: 9V Battery, AC Adapter (ACA Adapter)
- Tempo: mm ($\frac{1}{4}$) = 40 to 208 (40 to 208 beats per minute) freely variable
- Beats: 0, 2, 3, 4, 5, 6
- Dimensions: 6.6(W) x 3.5(H) x 1.5(D)in.
- Weight: 0.77lbs.

HA-5 Play Bus HEADPHONE AMP



The HA-5 is a completely new and compact headphone amplifier featuring a Bilateral Bus Line (patent pending) that allows two HA-5 units to be connected by a single cord. Three or more HA-5 units can be connected using optional J-5 multiple jacks. This means that numerous musicians can jam together without bothering their neighbors. The HA-5 provides three outstanding sound effects: a 35-ms stereo short delay. Bass and Treble controls are also provided. The HA-5 comes complete with a belt clip so that it can be worn around the waist. And its ability to use either AC or DC power allows the HA-5 to be used anywhere, anytime.

SPECIFICATIONS

- Power: 9V (UM-3 x 6), AC Adapter (PSA series)
- Jacks: MIC in, Cassette In, Phones A, B, P-BUS, Input, AC Adapter jack
- Switches: Power, Normal/Overdrive, Chorus/Short delay, BUS mute
- Controls: Gain/Drive, Master volume, Bass, Treble, MIC volume, Chorus rate, Chorus depth
- Dimensions: 3.5(W) x 4.7(H) x 1.7(D)in.
- Weight: 0.77 lbs.

RH-11M STEREO HEADPHONES WITH MICROPHONE



Ultra-light headphones with a microphone give wearing comfort you never tire of. The microswitch is located in the boom holder. It turns off when the boom is in the upper or lower position, so the RH-11M's microphone doesn't pick up undesired sound.

SPECIFICATIONS

- Type: Dynamic open air headphones, Dynamic microphone
- Weight: 2.43oz. without cord
- Total weight: 3.17oz. with cord and 2 plugs

BOSS
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